

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.11

1900

LIFE  
RECEIVED  
★  
U.S. DEPARTMENT OF AGRICULTURE

# RARE FLOWERS.



Mariposa Lilies (*Calochortus Gunnisoni*.)

See Page 27.

D. M. ANDREWS,  
BOULDER, COLORADO.



1900.

---

CATALOGUE

---

—OF—

PLANTS AND SEEDS

---

—OF—

Rare Flowers,

---

COMPRISING

HARDY CACTI,

SELECT HARDY PERENNIALS,

COLORADO SHRUBS,

BULBS, ALPINES, ETC.

---

D. M. ANDREWS,

781

BOULDER, COLORADO, U. S. A.

---

1900:

PRESS OF H. B. MILLARD,  
Boulder, Colorado.

## TO THE READER.

---

In handing you our Catalogue for 1900, your attention is especially invited to the reports of experience from our patrons with Colorado plants. During the past five years we have introduced more really new plants and seeds than any other concern in the United States. The almost phenomenal success which is every where reported for them has been very gratifying, and we predict even greater results as they become better known. Some kinds which have not succeeded we have omitted from this list for further trial. Where no particular suggestions are given, we consider the varieties suited to ordinary garden conditions. We have the greatest confidence in the list of varieties we now offer, and consider our descriptions to be strictly conservative. Hardy Cacti and Colorado Wild Flowers are no longer

**An Experiment.** Others are enjoying them at their own homes; you can do so. Do not let distance deter you from sending us your order. We ship to very distant points with perfect success; our excellent packing and quality of stock explain why.

The reader will kindly note the following

**Instructions for Ordering.** Our prices are as low as the quality and rarity of stock will allow, and are net for quantities named. We will pay postage on seeds to any part of the world, and on plants at single rates anywhere in the United States. Add ten per cent to price per dozen for postage on larger quantities, except on Cacti to which this rule cannot apply. We recommend shipment by express (or by freight for Cacti) as we are able then to send larger stock, extra plants, fuller packing, etc. Plants go at a special reduced rate by express.

Owing to postal restrictions, articles exceeding eight ounces in weight cannot be forwarded to Europe by mail.

Be particular to give shipping directions when you order, keep your seed and plant orders separate, include your name and address *legibly written*, if not printed, every time you write, enclose full payment by any safe method with your orders, and we will do the best we can for you now and every time.

We reserve the right to substitute in small matters when necessary, unless directed otherwise.

**Premiums.** We give liberal premiums to our customers, but reserve the right to make our own selection of extras.

**Fumigation.** As the state of Colorado makes no provision for the inspection of nursery stock, we have

provided for the absolute protection of our customers by erecting a fumigating house where all stock liable to insect pest is thoroughly fumigated with Hydrocyanic Acid Gas before shipment. While we are confident that no dangerous pests exist in this vicinity we have adopted this as a positive safeguard.

Thanking you heartily for former favors and awaiting your commands.

Very truly yours,

D. M. ANDREWS.

Boulder, Colorado. U. S. A.

## EXPERIENCE.

Chicago, April 26, '98.

Mr. D. M. Andrews, Boulder, Colo.

Dear Sir: I wish to advise you of the receipt of package of plants recently sent me. They arrived in splendid condition, thanks to your careful method of packing. I was much pleased with them, being all fine specimens, apparently vigorous and healthy.

Yours truly,

H. Sanborn Smith.

Perry's Hardy Plant Farm.

London, England, April 14, '99.

Mr. D. M. Andrews, Boulder, Colo.

Dear Sir: I have much pleasure in sending you my cheque for plants and seeds, and must congratulate you upon the way the *Gentianas* arrived. They were in splendid condition and I believe every one will grow. \* \* \*

Yours truly,

Amos Perry.

Geneva, Switzerland.

D. M. Andrews, Dear Sir: Your seeds grow well. \*  
Henry Correvon.

D. M. Andrews, Boulder, Colo.

Dear Sir: Your shipment of plants has arrived in good condition. Please accept thanks for the extras and satisfaction at the selection.

Yours truly;

Henry Merz.

New York, May 16, '98.

Burbank's Experiment Farms.

Santa Rosa, Calif, Mar. 26 '99.

D. M. Andrews.—

The plants sent by you arrived in best possible condition. Thank you for extras.

Luther Burbank.



Royal Gardens, Kew.

Kew, (England,) May 14.

Sir: The plants and seeds arrived in due course, the former in very fair condition indeed.

G. Nicholson, Curator.

Reading, Mass., Dec. 7, 1897.

D. M. Andrews, Esq., Boulder, Colo.

Dear Sir: Enclosed find money order \* \* \*  
Goods were received in remarkably fine condition and we thank you for the care in the shipment.

Yours Very truly,

Jacob W. Manning.

---

## HARDY CACTI.

---

Very little attention had been given to the hardy species of Cacti until a few seasons ago there was brought together and introduced by us a collection, large and varied enough to afford new and interesting possibilities in permanent planting. At all seasons their presence is unique, unconventional and beautiful, and while in bloom they are unrivaled in splendor. They have the advantage of resisting both drought and extreme cold, and have succeeded to a remarkable degree, even in the humid climate of England which is perhaps the most trying of all. They have been subjected frequently to a temperature of

Twenty Degrees Below Zero without harm. The chief precaution to be observed is to avoid stagnant moisture at the roots especially during winter. On the plains the clumps are usually found growing upon a slight mound produced by the lodgement of dust, sand and other debris blown about by the wind. This will suggest a soil in which humus and sand are prominent factors; to which broken stone, limestone preferred, may be added with good results. The low mound culture may well be imitated.

The *Opuntias* are especially adapted to planting extensive areas which would be too dry or sandy for anything else.

**Enemies.** Cacti are remarkably free from disease and insect pest. Rotting off, usually in winter, seems to be the only disease. It is caused by excess of moisture or by acidity of soil. Remedy, provide more perfect drainage, avoid organic matter in soil except *leaf-mold*, and add lime to the soil in the form of old mortar or plaster, broken limestone etc., but never quick lime nor lime recently slacked. Rotting seldom effects any but *Echinocacti*.

We know of no insect enemy except a mealy bug on some *Opuntias*. It may be destroyed by tobacco-water or alcoholic extract of pyrethrum applied with a brush. Where we discover traces we fumigate with hydrocyanic gas before shipment.

**Notes of Experience with Hardy Cacti.** The following from so prominent authority as Mr. William Falconer, Superintendent of Schenley Park, formerly Editor of Gardening, etc., should have weight with our readers.

Department of Public Works.

Pittsburgh, Pa., Nov. 17, 1899.

Mr. D. M. Andrews, Boulder, Colo.

Dear Sir: About the Cacti that we have had from you at different times, this is the plain truth: every shipment received—we have had several barrels of Cacti from you—has given us much pleasure and satisfaction as regards the freshness,



fullness and excellence of the plants, the good condition in which they reached us, and the very moderate price charged for them. All have been planted out of doors remaining unprotected summer and winter, and all have been perfectly hardy. The *Opuntias* of every species and variety obtained from you have grown well and increased wonderfully fast, in fact are as fat and flourishing as if at home in their native wilds. The *Echinocacti* have proven hardy enough but they rot off a good deal in winter. [See under Enemies above.] I would not advise planting *Echinocacti* extensively out of doors, but in certain localities as on bleak, exposed banks and about rocky knolls, *Opuntias* and *Yucca angustifolia* can be used unsparingly with perfect success. I am using them in this way.

Very truly yours,

William Falconer.

From THE CACTUS JOURNAL, London England, Aug., 1899.

A Day at Kew Gardens among the Cacti.

By a Member of the National Cactus Society.

\* \* \* \*

At length we left this most interesting house, and went to find Mr. Watson, the sub-curator, who very kindly received us, and, after a most interesting conversation, took us to see what I think the greatest success of Cactus growing in Great Britain.

This was a number of small beds of Cacti out of doors. Each different kind had a bed to itself. They were protected on one side by the wall of the long Palm House, and the beds were formed between the small buttresses, and were about eight feet long and two feet wide, raised perhaps six inches above the usual ground level by rock work. Most of the plants had been out of doors for several years and were hardy kinds from Colorado, Nevada, etc., usually found growing at great elevations. They were in robust health and looked really charming. In some cases the plants completely filled the beds, and very little of the soil could be seen. One of the beds of *Opuntias* had a number of flowers on.

The kinds experimented upon were, *Mamillarias*, *vivipara*, and *Nuttallii* (*Missouriensis*) *Echinocereus viridiflorus*, *Echinocactus Simpson*, that looks remarkably like a *Mamillaria*, *Opuntias* in variety, including *Camanchica*, *Engelmann polycantha* or *Missouriensis*, *rafinesqui* (*mesacantha*) etc. If those who have the convenience would try to grow a few Cacti out of doors, I feel sure they would be well repaid for their trouble.

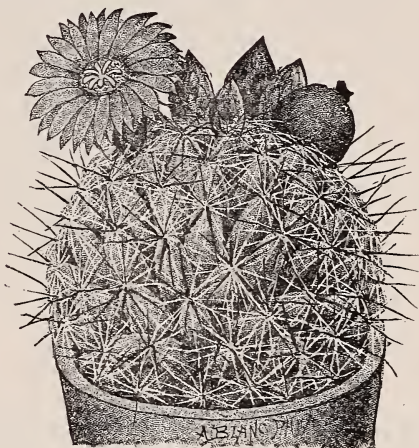
## Section I.

### Round or Cylindrical Sorts.

**Cactus (*Mamillaria*) *Missouriensis*.** Mamillaria, Plant dwarf, blooming when very small, covered with elongated tubercles each tipped with a star of gray spines. Flowers yellow or salmon, followed by scarlet berries. 10 cents each, 75 cents per dozen, Postage 10 cents extra per dozen.

**Cactus *viviparus*.** \* Purple Mamillaria. Whole plant covered with purple and white spines. Flowers very large and showy, bright purple, plant extra hardy and a good bloomer.

Quite rare. Fine plants 30 to 50 cents each, \$3.00 per dozen. Postage about 30 cents per dozen.



**Cactus viviparus.**

**Echinocereus viridiflorus.** \* Green Flowered Cereus. This is especially beautiful on account of the red, purple and white spines with which the plant is covered. Flowers numerous, not so large as represented in the cut, but quite showy. Plant extremely hardy, and should be used freely for borders of beds, etc. Choice, medium sized plants 10 cents each, 75 cents per dozen, \$5.00 per hundred. Postage 10 cents per dozen. Fine large plants and clumps 20, 30, and 50 cents each, \$1.50 to \$3.00 per dozen. Postage 20 to 60 cents per dozen. We offer also a rare form, having long central spines standing straight out from the plant at 25 to 35 cents each, \$2.50 per dozen.



**Echinocereus.**

**Echinocactus Simpsoni.** \* Hedgehog Cactus. Plant nearly hidden by the various colored spines, ranging from white



**Echinocactus Simpsoni.** \*

through shades of straw, yellow, brown, purple to black. Very fine bloomer, flowers from shell-pink to bright rose. One of the few Echinocacti to grow in clusters. This is entirely hardy but is more sensitive to excess of moisture than the others. It should be planted on rockeries in very porous soil.

Very fine medium size plants 15 cents, \$1.25 per dozen. Postage 20 cents, Large plants 25 cents each, \$2.00 per dozen, Extra large size 50 to 75 cents each.

*Echinocactus Simpsoni Minor.* Button Cactus. Although a variety of the last this is so distinct as to be taken for a different species. The spines are arranged in beautiful star-shaped clusters, flowers pale rose, on the center of the button-shaped plant; very beautiful and much hardier than the last, having been found in Colorado at an altitude of 9000 feet. Price for medium size plants 25 cents, \$2.50 per dozen, postage 20 cents. Extra large size 50 cents each.

### Section II.

Opuntias or flat stemmed sorts. While it is possible to send single plants by mail at the price named, we very much prefer to send larger plants by express adding extras to help cover expense. Larger quantities are practically unmailable except where noted. More than twenty-five pounds should be sent by freight.

*Opuntia arenaria.* \* This new Opuntia is allied to *O. fragilis* but has flat round joints  $1\frac{1}{2}$  inches in diameter; spines very long, white or straw color. Flowers yellow, rather large. Good plants 15 cents, \$1.00 per dozen. Postage 15 cents per dozen.

*Opuntia arenaria variety* with more abundant dark brown spines. Forms large symmetrical clumps; very rare and beautiful. Choice plants 25 cents each, \$2.25 per dozen. Postage 25 cents per dozen.

*Opuntia arborescens.* \* Cylindrical branching sort, often growing 6 feet tall. Large rich purple flowers, yellow fruit and perfectly hardy. Small plants 25 cents.

*Opuntia Camanchica.* \* One of the most showy of all, bearing an abundance of large yellow flowers, followed by the large crimson fruit, which ripens early and remains perfect until late winter. The joints are large, nearly orbicular in outline, very glaucous, and the upper half is clothed with long stout spreading spines in beautiful shades of white, purple, brown, etc. 20 cents each, \$1.50 per dozen. Plants sufficient to cover one square yard of bed for immediate effects \$2.50.

*Opuntia Camanchica gigantea.* See (*O. phaeacantha major*).

*Opuntia fragilis.* This has the smallest joints of any, oval and about one inch long. Very spiny, and soon forms neat compact clumps. Flowers deep yellow. 10 cents each, 75 cents per dozen. Postage 10 cents.



*Opuntia mesacantha greenii.*

*Opuntia mesacantha Greenii* (*O. Rafinesquii Greenii.*) This has fewer spines, the joints are oblong and dark green. A most abundant bloomer. Fruit purple. 15 cents' \$1.00 per dozen, \$2.00 per square yard.

*Opuntia mesacantha cymochila.* (*O. Rafinesquii cymochila.*) A new variety and particularly fine. Joints are rather large,



deep green, the upper edge bearing numerous, very long and stout redish brown spines. Flowers exceedingly abundant, fruit purple, very showy. We recommend this fully. Plants 25 cents, \$2.00 per dozen. To cover one square yard, \$3.50.

*Opuntia mesacantha macrorhiza*. Tuberous-rooted *Opuntia*. A very curious, nearly spineless sort, with large tuberous roots. Flowers abundant, yellow, fruit purplish brown. 15 cents, \$1.00 per dozen. Per square yard \$1.75.

*Opuntia phaeacantha major*. Listed last season for the first time provisionally as *O. Camanchica gigantea*. It proves to be, however, a distinct species, and is, without doubt, the most beautiful of the Hardy *Opuntias*. The joints are exceedingly large, sometimes twelve inches or more in length. The surface is beautifully glaucous, sometimes decidedly purplish. The spines are abundant, very long and stout and of a fine purple or black color; fruit deep crimson, flowers yellow, shaded orange. The plant grows rapidly and forms large symmetrical clumps. Words fail to do justice to this noble plant. *Our advertising cut is a single joint of this standing in a pot.* 35 cents each, \$2.00 per dozen. Per square yard \$3.50.

*Opuntia polycantha*. \* (*Opuntia Missouriensis*.) A handsome species, and remarkably spiny. Spines long, very stout and in lovely shades from snow-white to brown, purple and black. This plant varies exceedingly and all the forms are exceedingly showy. We have separated the two varieties below and include all other forms herein. This kind should be planted liberally. 15 cents, \$1.00 per dozen, \$6.00 per hundred. Per square yard \$2.50.

*Opuntia polycantha albispina*. \* White Spined *Opuntia*. A variety of the last with pure white spines; those on the older joints often elongated and curled or twisted. Very distinct and showy. 20 cents, \$1.50 per dozen.

*Opuntia polycantha Watsoni*. A variety with purple and black spines, very long and stout. Joints smaller, flowers orange or tinged purple, very distinct. 25 cents each, \$2.00 per dozen.

**CACTUS SEED.** We offer seed of the above named Cacti in separate packets at five cents each, any twelve kinds 50 cents. Should be sown in a shallow box of sandy soil and covered loosely with a pane of glass.

**COLLECTIONS OF CACTI.** For 50 cents we will send, post paid, one small plant of each of the following:

*Cactus Missouriensis*, *Echinocactus Simpsoni*, *Echinocereus vividiflorus*, *Opuntia arenaria*, *Opuntia fragilis* and *Opuntia mesacantha macrorhiza*.

For \$3.00 we will send prepaid one good plant each, of the seventeen kinds offered above; or the same collection, fine large plants by express, not prepaid, \$2.75.

For \$8.00 we will ship by freight at purchaser's expense **A BARREL OF HARDY OPUNTIAS** including a careful assortment of ten most distinct kinds. We are determined to make this the best value for the money ever offered in the plant line.

*Yucca angustifolia*. 4 feet. A magnificent, perfectly hardy evergreen perennial, well suited for growing with Hardy Cacti. The leaves are very rigid, narrow, edged with silver. Flowers white, large, in massive spikes. 25 cents, \$2.00 per dozen. Seed 5 cents. 40 cents per ounce.

## SELECT HARDY PERENNIALS, PLANTS AND SEEDS.

Including Many Novel and Rare Kinds not Obtainable Elsewhere.

All are Perennial Unless Otherwise Stated.

Colorado Plants are marked (\*)

**ABRONIA fragrans.** \* Wild Four-o'clock. 1 foot. Many large umbels of fragrant white flowers, all summer. Seed 5 cents.

**ABRONIA MICRANTHA.** \* Pink Abronia. Annual, flowers pink, followed by very conspicuous broadly winged fruit; wings membranous, shining, reticulate-veined and handsomely colored. Delights in warm sandy soil, blooms all summer. A charming novelty. Seed 15 cents.

**ACONITUM.** Very showy plants, easily grown and with the different species may be had in bloom all summer and autumn. Price 20 cents each, except when noted.



**Aconitum autumnale.** 3 feet. Very late, dark blue.

**Aconitum Columbianum.** \* 6 feet. Very early. Branching. Seeds 5 cts.

**Aconitum Columbianum albidum.** \* White variety. Seed 5 cents. No plants.

**Aconitum Fisheri.** 2 feet. Medium late, very large, bright blue flowers, handsome foliage and one of the best of perennial plants. Price 15 cents. \$1 00 per dozen.

**Aconitum Napellus.** Large flowers, medium early.

**Aconitum uncinatum.** Slender racemes of blue flowers.

**Aconitum Napellus.**

**ANEMONE.** (Wind Flower.) This interesting class of plants includes many of the highest ornamental value, easy culture. We offer five choice sorts. Seeds of either sort 5 cts. One packet each, 20 cents.

**A. dichotoma.** \* 1 foot. Pure white, very neat, blooms a long time. 10 cents, three for 20 cents, 60 cents per dozen.

**A. multifida.** \* 1 foot. Bright crimson flowers.



**A. Sylvestris.**

**A. patens Nutt.** \* 1 foot. Flowers very large, pale lavender, early. 10 cents, three for 25 cents, 75 cents per dozen.

**A. sulphurea.** 9 inches. Flowers yellow, very distinct sort.

**A. Sylvestris.** 1 foot. Very handsome white flowers,

**APOCYMUM androsaemifolium.** 1 foot. Flowers pink and white, bell shaped, very fragrant. 10 cents, three for 25 cents. Seed 5 cents.

**AQUILEGIA.** Columbine. A valuable group of plants, easily grown from seed, and no collection should be without the following. Seeds of either sort 10 cents, or one packet of each 25 cents.

*Aquilegia chrysantha*. \* Beautiful long-spurred yellow flowers, remaining long in bloom. 20 cents.

*A. coerulea*. \* True Rocky Mountain Columbine. This is the Colorado state flower, simulating by its blue and white flowers the blue sky and snow capped peaks of Colorado and by its golden stamens with their silvery filaments, her mineral wealth. Owing to the readiness of this sort to hybridize with other sorts, we have saved seed only from plants far away in the mountains and have grown our stock from similar seed, and we guarantee our seed and plants to be true. 15 cents each, four for 50 cents, \$1.25 per dozen.



*Aquilegia coerulea*.

*A. hybrida*. Giant Long-Spurred Columbine. We have saved seed from our magnificent collection of large-flowering, long-spurred hybrid Columbines obtained from the finest collections in this country and Europe. The marvelous variety of color, large size and vigorous habit of growth will recommend it to every flower lover.

*ARGEMONE hispida*. \* Colorado Silver Poppy. 2 feet. Beautiful bluish foliage, satiny white flowers four inches across, golden yellow centers. This new sort is quite distinct from the next. Seed 10 cents.

*Argemone platyceras*. \* 3 feet. Very large white flowers, all summer, ornamental foliage. Seeds 10 cents.

*ARMERIA formosa*. Thrift. 1 foot. Dense tuft of evergreen foliage, flower heads on slender wiry stems, in constant succession all summer, bright rose. Excellent plant for low borders or for edgings. Seed 10 cents.



*Argemone*.

*ARTEMISIA*. Sage Brush. Mountain Sage. A class of plants especially valuable for foliage effects. All are easily grown and come readily from seed. Seeds 5 cents per packet except where noted.

*ARTEMISIA absinthicum*. 3 feet. Useful and ornamental sort. 20 cents each.

*ARTEMISIA ARBUSCULA*. \* The true Sage Brush of the plains, a very beautiful evergreen shrub, with an elegant silvery sheen to the foliage. Although common in places, it is rare in this part of Colorado. We offer nice thrifty plants at 25 cts. five for \$1.00; \$2.25 per dozen. Seed 15 cents.

*Artemisia filifolia*. \* 2 feet. Feathery foliage, graceful flower sprays.

*A. Frigida*. \* 1 foot. Fine silvery foliage, for edgings. 10 cents each, three for 20 cents, 60 cents per dozen.

*A. Ludoviciana*. \* 2 feet. White foliage, good for large masses. 10 cents each, 60 cents per dozen.





Hardy Aster.

**HARDY ASTERS.** Our collection of Hardy Asters embraces a magnificent assortment, which will be found very distinct, and includes some choice new sorts. They are of easiest culture and exceedingly useful; succeed in almost any soil.

*Aster alpinus.* 6 inches. Large violet blue heads. Seeds 5 cents.

*A. azureus.* Flowers deep sky-blue, handsome. Seed 10 cents.

*A. canescens.* \* New, quite dwarf, flowers deep purple. large, early. Seed 10 cents.

*A. commutatus.* \* 1 foot. Low branching habit, flowers middle sized, white, very abundant. 15 cents, \$1.00 per dozen. Seed 10 cents.

*A. Fendleri.* \* 1 foot. Splendid novelty with large rosy-violet flowers, very distinct in every way; one of the best. 15 cts. \$1.00 per dozen. Seed 15 cents.

*A. foliaceus.* \* 1 foot. Flowers lavender, very large, often two inches in diameter. Seed 15 cents.

*A. Fremontii.* \* 1 foot. Heads very large, sometimes  $2\frac{1}{2}$  inches across. Violet rays, smooth neat plant. Suitable for moist shady places. Novelty. Seed 15 cents.

*A. laevis.* \* 4 feet. Smooth foliage, erect graceful habit, sky-blue flowers. 10 cents, \$1.00 per dozen. Seeds 5 cents.

*A. Porterii.* \* 1 foot. One of the best pure white sorts, charming novelty, flowers large, foliage and stems very neat and slender, excellent for cutting. 15 cents, \$1.00 per dozen. Seeds 10 cents.

*A. ptarmicoides.* 2 feet. flowers white. Seed 10 cents.

One packet each of the above ten kinds of Aster, 80 cents.

**ASTRAGALUS.** Flowering Vetch. Pea-shaped flowers, variously arranged, showy and easily grown. Very distinct sorts. Seed 5 cents per packet, one packet of each, 25 cents.

*A. caryocarpus.* 1 foot. Trailing sort, heads of white flowers with violet eye; large plum shaped pods.

*A. Drummondii.* \* 1 foot. Beautiful silvery foliage, immense spikes of white flowers.

*A. hypoglottis.* \* 4 inches. Numerous large clover-like heads of violet purple flowers, very choice.

*A. hypoglottis albus.* \* A pure white variety.

*A. Parryi.* \* 4 inches. Pale yellow with purple eye.

*A. Shortianus.* \* 6 inches. Low clustered habit, large heads of bright purple flowers. Extra good.

**BIGELOVIA.** Golden Feather. Shrubby, branching plants belonging to the *Compositae*, very easily grown and thriving in almost any soil with much or little moisture, grows easily from seed. Seed of either sort 20 cents, or one packet each 35 cents.

*Bigelovia graveolens.* \* 3 to 6 feet. Vigorous shrub, of neat habit, and very hardy. Foliage linear, abundant, clothing well the numerous branches each of which bears a large terminal plume of clear golden flowers. The flowers are well suited for cutting and remain fresh a long time. This is very distinct from anything else in cultivation and we believe it to be one of the best of recent introductions. 25 cents, \$2.00 per dozen.

*Bigelovia graveolens var. albicaulis.* \* 6 to 10 inches, a very neat dwarf variety, forming compact clumps, suitable for edgings. 25 cents. \$2.00 per dozen.



**CALIRRHOE involucrata.** \*  
Trailer, large crimson flowers, very showy; 15 cents. Seeds 10 cents.

**CALTHA leptosepala.** \* Marsh Marigold. Flowers snow-white or tinged with blue. Very early. Seed 10 cents.

**CAMPANULA.** Bell Flower.  
We recommend the following hardy perennial sorts. All are easily grown, preferring a soil not too heavy. Many will bloom first year from seed if sown early.

**Campanula alariaefolia.** 2 feet. Flowers creamy white, choice. 25 cents. Seed 10 cents.

**C. barbata.** 2 feet. Pale porcelain blue, distinct. Seed 10 cents.

**C. Carpathica.** 8 inches. Large blue or white flowers, free bloomer. 10 cents, 75 cents per dozen.



**Calirrhoe involucrata.**



**Campanula Carpathica.**

**C. glomerata.** 2 feet. Violet flowers in large heads. 10 cts., \$1.00 per dozen. Seed 5 cents.

**C. lactiflora.** 2 feet. Flowers white or tinged blue. 15 cents, \$1.25 per dozen. Seed 10 cents.

**C. persicifolia.** 2½ feet. Grand, very large flowered, blue, blooms a long time. 20 cents. Seed 5 cents.

**C. persicifolia alba.** Variety with pure white flowers. 25 cts. Seed 5 cents.

**C. punctata.** 2 feet. Very large white flowers, blotched with red inside. Grand new sort. 15 cents, \$1.25 per dozen. Seed 10 cents.

**C. rapunculoides.** 3 feet. flowers violet, in beautiful long racemes, fine for cutting. Seed 10 cents.

**C. rotundifolia.** \* 1 foot. The true Hair Bell or "Blue Bells of Scotland." Seed 5 cents.

**C. uniflora.** 4 inches. New alpine sort, small blue flowers. Seed 15 cents.

*Campanula punctata.**Centaurea.*

**CENTAUREA** *orientalis*. 2 feet. A new hardy perennial sort from Servia, very showy, fine for cutting, handsome pinnate foliage, graceful habit. Seed 25 cents.

**CERASTIUM** *alpinum*. Carpet of Snow. Dwarf creeping habit, smothered in spring by the snow-white flowers; naturalize among Lilies, shrubs, etc. Seed 10 cents.

**CHRYSOPSIS** *villosa*. Golden Aster. 6 inches, Yellow flowers, mid-summer; blooms first year. Seed 5 cents.

*C. villosa* **Rutteri**. Late Golden A. 1 foot. Plant and flowers much larger, later, blooms first year from seed.

5 cents, \$1.00 per dozen. Seed 10 cents.

**CLEMATIS**. A large and valuable group, including both climbers and erect perennials. Flowers, habit, etc., exceedingly various.

*Clematis* **coccinea**. Beautiful scarlet flowers, climber. 15 cts. \$1.25 per dozen. Seed 5 cents.

*C. crispa*. Climber, flowers blue, bell-shape. 20 cents. Seed 5 cents.

*C. Davidiana*. 2 feet. Very beautiful blue-flowered sort. Late summer. 20 cents, \$2.00 per dozen.

*C. Douglasii*. \* Mountain Leather Flower. 1 foot. One of the finest of spring blooming perennials, flowers handsome deep blue, foliage silky gray, beautifully cut into linear segments. Seed heads very plumose, conspicuous. 15 cents, \$1.00 per dozen. Seed 10 cents.

*C. Fremontii*. \* Fremont's Leather flower. 1 foot. Very distinct from the preceding species, leaves entire, flowers pale blue and later. A handsome and conspicuous plant



**Clematis Davidiana.**

during the entire season. Quite rare. 15 cents, \$1.00 per dozen. Seeds 10 cents.

**C. graveolens.** Climber, flowers bright yellow, an inch across, very neat and desirable. 10 cents, three for 25 cents. \$1.00 per dozen.

**C. legusticifolia.** \* Very neat white flowered climber. 15 cts. \$1.00 per dozen. Seed 10 cents, 60 cents per ounce.

**NOTE.** One plant of each of the above seven kinds, post-paid for \$1.00.

**C. paniculata.** Beautiful Japanese climber, flowers white, fragrant. 25 cents. Seed 5 cents.

**C. Pitcheri.** Trailer, small purple bell-shaped flowers. Rare. 35 cents. Seed 10 cents.

**C. stans.** 2 feet. Quite similar to *C. Davidiana* but flowers white. 25 cents.

**C. verticillaris.** \* Very large blue flowers, shade, trailer. 30 cents. Seed 10 cents. \$2.50 per ounce.

**C. Virginiana.** Climber, white flowers. 15 cents.

**COREOPSIS.** Beautiful yellow flowers, excellent for cutting, easily grown. Seed of either 5 cents.

**C. angustifolia.** 1½ feet. Large golden flowers, long stems. 10 cents each.

**C. grandiflora.** 2 feet. Very handsome sort, extra large flowers.

**C. palmata.** Rare new sort, very neat.

**CORYDALIS aurea occidentalis.** \* Delightful free blooming annual, spurred golden yellow flowers. Seed 5 cents.

**C. curvisilqua.** \* 6 inches. Distinct new sort, annual, flowers pale yellow. Seed 5 cents.

**CREPIS Hawksbeard.** Beautiful ligulate yellow flowers. We offer three very distinct kinds, one packet of each, 25 cents.

**C. grandiflora.** 3 feet. Very elegant plant from Servia, entirely hardy, flowers clear golden yellow, nearly 3 inches across, appearing perfectly double, very abundant. Easily grown, any soil; seed 15 cents.



*C. occidentalis*. \* 8 inches. Very dwarf, free blooming sort, handsome foliage. Seed 10 cents.

*C. runcinata*. \* 1 foot. More slender, early blooming sort. Seed 5 cents.

*CYCLOLOMIA atriplicifolia*. \* A curious diffusely branched annual, having few or inconspicuous leaves; all parts of the plant are of a rich redish purple color, very showy and distinct, prefers warm light soil. Seed 10 cents.

**DELPHINIUM.** Perennial Larkspur. Easily grown, popular plants, often bloom first year from seed.

*D. azureum abidum*. \* 3 feet. Flowers large and white, foliage whitish, very neat. Seed 10 cents.

*D. Barlowi*. Rich deep blue, very showy large flowers. 25 cents, seed 10 cents.

*D. Occidentale*. \* 4 feet. Robust species with nearly black flowers. Seed 10 cents.

*D. Scopulorum*. \* 3 feet. Very beautiful, large flowers in long spikes of most intense blue. An early, valuable sort. 10 cents, \$1.00 per dozen. Seed 10 cents.

*D. triste*. 4 feet. Very dark blue flowers, distinct sort. 25 cents. Seed 15 cents.

*D. superbum*. Very handsome new branching sort, large flowers, beautiful shades of blue. Seed 25 cents.

**ERODIUM Manescavi.** Heronsbill. A hardy perennial with large Geranium-like flowers in large umbels, bright purple with deep purple eye. Blooms all summer, foliage very handsome, easily grown. We recommend it. 25 cents. Seed 10 cents.

**ERYNGIUM.** Sea Holly. Plants of easiest culture, very



Delphinium.



Eryngium

decorative. Seed of any sort 5 cents. One packet each of the following six kinds for 25 cents.

*E. alpinum*. 2½ feet. Heads and involucres sky-blue.

*E. amethystinum*. 1 foot. Heads and involucres amethyst blue, foliage curiously twisted.

*E. coeruleum*. 2 feet. Pale blue flowers.

*E. Creticum*. 3 feet. Robust grower, numerous small heads. 15 cents.

*E. Oliverianum*. 1 foot. Very neat dwarf sort, strong thrifty habit.

*E. yuccaeifolium*. 4 feet. A very distinct and conspicuous plant with very long yucca-like leaves. Whole plant glaucous, flowers white, a very useful plant for large clumps. 10 cents, 75 cents per dozen, \$5.00 per hundred. Seed \$1.00 per ounce.

*ERYSIMUM asperum*. \* Wallflower. 1 foot. Biennial, easily grown, flowers in large spikes from lemon yellow to orange and purplish brown; early and very long bloomer. Seed 5 cents.

*EUPATORIUM maculatum*. \* 4 feet. Robust, with huge purple flower clusters; will grow in very wet places, should be planted in large masses. 15 cents, \$1.00 per dozen. Seed 5 cents.

*EUPHORBIA robusta*. \* Rocky Mountain Spurge. 1 foot. A very neat perennial, of compact, upright growth. Valuable for its symmetrical shape and ornamental foliage, especially adapted for edgings, borders of beds etc. and does not produce suckers nor spread from the root; any soil. 15 cents, \$1.00 per dozen.

*FRASERA speciosa*. \* 3 feet. Rigid erect habit, curious white flowers, arranged loosely but symmetrically the whole length of the stem, foliage whitish. Called "Monument Plant" from its very suggestive appearance. 15 cents, \$1.00 per dozen. Seed 10 cents.

*GALIUM boreale*. \* 1 foot. Beautiful sprays of small fragrant snow-white flowers; indispensable for bouquets. Easily grown. Although this comes from an obscure family it is really a gem without a flaw among flowering plants. 10 cents.

*GAURA coccinea*. \* 1 foot. Neat pink flowers, dwarf habit. Seed 5 cents.

*G. Lindheimeri*. 3 feet. Beautiful large white flowers, all summer, grand sort. Seed 5 cents.

**GENTIANA.** A remarkable group of plants possessing a high degree of ornamental merit. Most of them of easy culture, thriving best in a moist, half shaded situation.



*Gaura Lindheimeri*.



*Gentiana acaulis*.

*G. Andrewsii*. \* 1 foot. Strong vigorous grower; this seems to differ from the eastern sort when planted side by side, being more robust and more free blooming. Easily established, flowers blue, bud-like, large and showy. 20 cents, \$1.50 per dozen. Seed 10 cents.

*G. Bigelovii*. \* Clustered Blue Gentian. 6 inches. This comparatively new plant is of very easy culture, and ranks high in ornamental merit. It soon forms large clumps, often 40 to 50 stems from a single plant, each bearing from 10 to 20 rather large bright blue axillary and terminal flowers. 15 cents, \$1.00 per dozen. Seed 10 cents.

*G. Parryi*. \* Parry's Blue Gentian. 1 foot. A large, robust species with much the habit of the well known *G. Andrewsii*, but the flowers are open-bell-shaped; and very deep, intense blue. Seed 15 cents.

**GERANIUM.** (Hardy perennial.) Choice, hardy, free blooming plants, easy culture. Very different from the tender plants popularly called Geranium.

*G. Frémontii*. \* 1 foot. Handsome foliage, large light purple flowers with deep purple veins; blooms all summer. 10 cents, 75 cents per dozen. Seed 10 cents.

*G. pratense*. 1 foot. Very large blue flowers, all summer. Seed 10 cents.

*G. Richardsonii alba*. \* 1 foot. One of the best, a constant and abundant bloomer, flowers large, white, penciled with purple, foliage elegantly cut, beautiful shades of green; young growth, stems, petioles, etc., richly suffused with red. 15 cents, \$1.25 per dozen.

*G. sanguineum*. 6 inches. Very neat dwarf sort, red flowers, very choice. 20 cents. Seed 10 cents.

*GEUM Rossii*. \* 1 foot. A new extremely hardy sort, ranking high ornamentally. Whole plant glabrous, foliage beautifully pinnate, almost fern-like, flowers an inch or more broad, deep clear yellow, on slender wiry stems. Seed 25 cents.

*GRINDELLIA squarrosa*. \* 2 feet. Biennial, easily grown, large, showy, radiate, yellow flowers. Seed 5 cents.

*GUTIERREZIA Euthamiae*. \* 1 foot. Hemispherical clump of growth, smothered with minute golden yellow flowers. 10 cents, 60 cents per dozen. Seed 5 cents.

*GYMNOLOMIA multiflora*. \* 2 feet. Resembling a diminutive *Helianthus*; branching, flowers exceedingly abundant, golden yellow, on long wiry stems, splendid for cutting. A highly ornamental plant. Seed 10 cents.

*HARBOURA trachypleura*. \* 1 foot. Beautiful golden yellow flowers in large compound umbels, slender stems, foliage divided into beautiful feathery sprays, a graceful plant. Seed 10 cents.

*HELIANTHELLA quinquenervis*. \* 3 feet. This is allied to the *Helianthus Coreopsis*, etc., grows from a tuberous root, foliage lanceolate, stems rather slender, flowers very large, sometimes 5 inches broad, pale yellow; involucre of large leafy bracts giving a very distinct appearance to the heads. We believe this to be the earliest to flower of any plant of its class and one of the most striking. It is of easiest growth either from seeds or plants and we recommend it fully after rigidly testing it. 15 cents, \$1.25 per dozen. Seed 10 cents.



Hardy Geranium.



**HELIANTHUS laetiflorus.** 4 feet. One of the best perennial species, blooming long and abundantly, flowers rich golden yellow, semi-double, grand for cutting. Plant in large masses. 10 cents, three for 25 cents, 50 cents per dozen. \$2.00 per hundred.

**H. Maximilani.** \* 6 feet. A grand plant for heavy masses in backgrounds, or solitary groups. 15 cents, \$1.00 per dozen. Seed 5 cents.

**H. pumilus.** \* 2 feet. A dwarf sort forming compact clumps. Seed 5 cents.

**H. rigidus.** \* 4 feet. A slender Colorado sort, large flowers with dark brown or purple centers. (Same price as *H. laetiflorus*.) Seed 5 cents.

**HEUCHERA.** Handsome marbled and cut evergreen foliage, and showy flowers, easily grown from seed and thrives in ordinary soil.

**Heuchera sanguinea.** Crimson Bells. 1½ feet. One of the most beautiful of hardy plants, producing its numerous sprays of crimson-scarlet flowers for many weeks. No description can do justice to this remarkable plant. 10 cents, 75 cents per dozen. Seed 5 cents.



**Heuchera sanguinea (Crimson Bells.)**

**H. sanguinea alba.** 1 foot. Those who have seen the *sanguinea* will welcome this pure white form which comes perfectly true from seed. 25 cents, \$2.50 per dozen. Seed 15 cents.

**H. bracteata.** \* 9 inches. flowers yellowish-white, in narrow spikes, beautiful foliage. 15 cents, \$1.00 per dozen. Seed 5 cents.

**H. SANGUINEA HYBRIDA.** "Rosy Morn." 2 feet. Evidently a hybrid between *sanguinea* and *alba*. It is more robust than the type, flowers beautiful *rosy-pink*, and foliage deeper cut and the divisions more pointed. We predict some interesting results from this stock. Seed 25 cents.

**H. rubifolia.** 2 feet. Ornamental, green and bronze foliage, sprays of greenish flowers. Splendid for edgings. 10 cents, \$1.00 per dozen. Seed 5 cents.

**HYPERICUM.** Saint John's Wort. Smooth foliage, multitudes of golden yellow flowers. Seed of either, 5 cents.

**H. Ascyron.** 4 feet. Flowers very large. 10 cents, \$1.00 per dozen.

**H. Scouleri.** \* 1 foot. Very neat dwarf sort. 10 cents, \$1.00 per dozen.

**INULA glandulosa.** 3 feet. Very handsome, with immense golden-yellow flowers; easily grown. Strong clumps. 50 cts.



*Inula glandulosa.*

*I. helenium.* 6 feet. Stout grower, yellow flowers. Seed 5 cts.

*IPOMOEA leptophylla.* \* Bush Moon Flower.  $2\frac{1}{2}$  feet. A unique novelty, plant bush-like, much branched, and neither trailing nor climbing. The flowers are of the usual Morning Glory shape, about three inches broad, rose color deepening to purple in the throat, remaining open till noon or later. The plants continue to bloom for about three months. The root is very large and penetrates deep in the soil, which should be well drained and of a loose sandy or gravelly texture. Plant the seeds where they are to remain, and if a notch is filed on one edge before planting they will generate quickly. We have a fine stock of seed which we offer at only 15 cents per packet, 10 packets for \$1.00.

*IRIS Missouriensis.* \* 1 foot. Large pale blue flowers, wet or dry soil. 10 cents, 60 cents per dozen. Seed 5 cents. 50 cents per ounce.

*KRYNITZKIA Jamesia.* \* 6 inches. Flowers resembling Heliotrope, white, with yellow eye. Seed 10 cents.

*KUHNIA eupatorioides.* \* 1 foot. Broad bushy plant, narrow foliage, flowers white, resembling *Eupatorium*; suitable for very dry exposed places. Seed 10 cents.

*LEPACHYS columnaris.* \* 2 feet. Beautiful *Composite* with very long drooping yellow rays. Blooms first season from seed. Seed 5 cents.

*L. columnaris pulcherrima.* \* A grand variety with the base of each ray conspicuously blotched with orange scarlet. Seed 10 cents.

*L. columnaris totus purpureus.* \* A variety with dark orange-brown rays, almost black; very unique. Seed 10 cents.

*L. pinnata.* 4 feet. Larger flowers, light yellow rays, A good plant for massing. 20 cents. Seed 5 cents. One packet of each, four kinds, 25 cents.

*LIATRIS punctata.* \* Gay Feather.  $1\frac{1}{2}$  feet. Very free bloomer, pale purple flowers in dense spike. 10 cents, 75 cents per dozen. Seed 5 cents.

*L. pycnostachia.* 6 feet. Dense purple spikes, three feet long. 15 cents. Seed 5 cents.

*L. scariosa.* \* Blazing Star.  $2\frac{1}{2}$  feet. Extra early, large heads. This is a distinct Colorado form and is the best sort we have seen. 15 cents, \$1.00 per dozen. Seed 10 cents.

*LITHOSPERMUM multiflorum.* \* Panicle Puccoon.  $1\frac{1}{2}$  feet. Very free blooming, branched from the root, flowers tubular, golden yellow. One of the best of this interesting genus. Seed 10 cents.

*L. longiflorum*. \* 1 foot. Larger flowers, pale lemon yellow, beautifully fringed. Seed 10 cents.

**LUPINUS.** The perennial Lupines are easily grown from seed and will thrive in any sunny well drained spot. All have beautiful flowers and foliage.



**Lupine.**

wet soil. 10 cents, 75 cents per dozen. Seed 5 cents.

*L. salicaria*. 3 feet. Flowers large, all summer, rose-violet, handsome plant. 15 cents, \$1.00 per dozen.

**MALVASTRUM coccineum**. \* 6 inches. Scarlet Mallow, hoary lobed foliage, quite showy. 15 cents, \$1.00 per dozen. Seed 5 cents.

*M. coccineum grandiflorum*. \* 10 inches. Large deep scarlet flowers, all summer, very handsome. Seed 15 cents.

**MERTENSIA lanceolata**. \* Lungwort. 1 foot. One of the hardiest and best sorts, easily grown in any soil, found usually in dry, sunny places. Plant well branched, flowers bell-shaped, nodding, clear blue, delightfully suffused with pink. A very neat and attractive plant, and very distinct from other sorts. 20 cents, \$1.75 per dozen. Seed 10 cents.

*M. siberica*. \* 3 feet. This sort will revel in a moist shady spot, is a most luxurent grower, foliage massive, smooth and glaucous, each stem terminating in a large panicle of blue, nodding flowers. Very desirable and easily grown. 25 cents, \$2.00 per dozen. Seed 10 cents.

**OENOTHERA. Evening Primrose.** Ornamental free blooming plants of easy culture, producing very large white, rose or yellow saucer shaped flowers all summer.

*Oenothera albicaulis*. \* 3 feet. Flowers white. 15 cents, \$1.00 per dozen. Seed 5 cents.

*O. Missouriensis*. \* Beautiful trailing species, immense yellow flowers, neat willow-like foliage. Seed 10 cts.

*O. serrulata*. \* 1 foot. Very distinct shrubby sort, with yellow flowers, and the petals curiously crumpled. Blooms abundantly, all summer. 15 cents, \$1.00 per dozen. Seed 10 cents.

**OROBUS Niger**. 1 foot. Red-purple Pea shaped flowers. Small foliage, neat. 25 cents. Seed 10 cents.

**OXYBAPHUS. Umbrella Wort.**

Four o'clock family, flowers varying from white to very deep purple, foliage from linear to broad cordate.

Seeds inclosed by a scarious, reticulated, colored involucre which is quite showy. We offer three species which are quite distinct. Seed of either sort 5 cents.



**O. Missouriensis.** \*

*O. brachycarpa*. \* 6 inches. Giant yellow flowers four inches across, changing to vermillion. 15 cents, \$1.00 per dozen. Seed 10 cents.

*O. caespitosa*. \* 6 inches. flowers like *brachycarpa* but pure white changing to bright rose. 15 cents, \$1.00 per dozen. Seed 10 cents.

*O. Frasera*. \* 1 foot. Beautiful yellow flowers, blooms continuously and abundantly, a very desirable sort. 10 cents. 75 cents per dozen. Seed 5 cents.

*O. angustifolius*. \* 4 feet.

*O. hirsutus* \* 3 feet.

*O. nyctagineus*. \* 2 feet.

**OXYTROPIS** *Lamberti*. \* Crimson Loco. 8 inches. Radical Wistaria-like crimson spikes, pinnate silky foliage, very handsome. Seed 5 cents.

*O. spicata*. \* 1 foot. Large spikes, flowers white, superb. Seed 5 cents.

*O. SPLENDENS*. \* 1 foot. New, plant silky, silvery white, very conspicuous, the flower spikes several from one root. many flowered, flowers large, sweet-pea-shaped, deep rose color. Seed 25 cents. 6 packets \$1.00.



Pentstemons.

**PENTSTEMON.** Beard Tongue.

A notable group of plants of great ornamental value, easily grown. Seed 5 cents per packet, except where stated.

*Pentstemon acuminatus*. \* 1 foot. Large lilac flowers, smooth foliage, very pretty. 10 cents, 75 cents per dozen.

*P. Barbatus*. \* 4 feet. Fiery-scarlet, vigorous grower. 10 cents, 75 cents per dozen.

*P. coeruleus*. \* 1 foot. Flowers a peculiar shade of sky blue, in compact racemes, very showy. Seed 10 cents.

*P. glaber*. \* 4 feet. Large flowers all shades of blue.

*P. gracilis*. \* 1 foot. New pale lavender flowers, slender plant; neat for cutting. Seed 10 cents.

*P. humilis*. \* 5 inches. Indigo-blue.

*Petalostemon candidum*. \* 2 feet. Dense spikes of white flowers on stiff wiry stems, finely cut foliage. 10 cents, 75 cts. per dozen. Seed 5 cents.

*P. tenuifolium*. \* 1 foot. Resembling the last, but flowers deep purple. 10 cents, 75 cents per dozen. Seed 5 cents.

**PHLOX.** A valuable group of perennials, all of easiest culture and very ornamental. Any of the following 10 cents each, 75 cents per dozen.

*P. divaricata*. 1 foot. Early light blue flowers, sun or shade.

*P. Douglasii*. \* Creeping, flowers abundant, white to purple. Seed 10 cents.

*P. glaberrima*. 1½ ft. Bright rose, large clusters, elegant habit.

*P. maculata*. 3 feet. Late showy sort, purple flowers.

*P. paniculata*. 3 feet. Beautiful everblooming variety from Ill.

*P. reptans*. 1 foot. Earliest, neat foliage, pale purple flowers.

**PHYSOSTEGIA VIRGINICA ALBA.** White Lion's Heart. 3 feet. A variety of this handsome American plant with snow white flowers; blooms continuously from early summer till frost. Exceptionally neat and every way desirable; Should be planted freely so that plenty of flowers may be had for cutting all summer. Clumps 15 cents, \$1.00 per dozen. Seed 10 cents.

**PLATYCODON** *Mariessae*. Balloon flower. 2 feet. Very



large, blue, balloon-shaped buds, and bell-shaped flowers, four inches broad, many weeks, very showy. 15 cents, \$1.50 per dozen. Seed 5 cents.

*POTENTILLA arguta*. \* 2 feet. Rosaceous foliage, abundant creamy white flowers. Seed 5 cents.

*P. arguta grandiflora*. 2½ feet. A variety from Servia with very large creamy white flowers, blooms at intervals all summer. Seed 10 cents.

*P. glandulosa*. \* 1 foot. Handsome foliage, large deep golden yellow flowers. 10 cents, 75 cents per dozen. Seed 5 cents.

*P. fruticosa*. \* 2 feet. Dwarf everblooming shrub, golden yellow flowers; a valuable, easily grown sort. 25 cents; seed 10 cents. We have a variety of this from Servia which is quite distinct, and a better bloomer. 35 cents each.

*P. Hippiana*. \* 1 foot. Distinct sort, silvery foliage, sprays of deep yellow flowers. 15 cents. Seed 5 cents.

*P. Hippiana pulcherrima*. \* 2 feet. A variety of the last of more erect habit and a more abundant bloomer. Seed 5 cents.

*PRENANTHES racemosa*. \* 3 feet. Smooth luxuriant foliage, flowers purplish, in an ample terminal raceme. 15 cents, \$1.00 per dozen. Seed 10 cents.

*RANUNCULUS Adoneus*. \* (See under Alpines.)

*R. afinis*. \* 6 inches. Small yellow flowers. Seed 5 cents.

*R. cardiophyllus*. \* 1 foot. Large bright yellow flowers. Seed 10 cents.

*R. Nuttallii*. \* 6 inches. Handsome, smooth fern-like foliage, early yellow flowers. 15 cents, \$1.00 per dozen.

*R. septentrionalis*. 1 foot. Robust, early eastern species. 10 cents, 75 cents per dozen.

*RUDBECKIA laciniata*. \* 5-8 feet. Large, neat foliage, yellow flowers. 10 cents, 75 cents per dozen.

*R. laciniata*. fl. pl. 5-8 feet. This is the plant so well known as *Rudbeckia*, *Golden Glow*, with large double flowers. Price only 10 cents, three for 25 cents; 75 cents per dozen.



*RUELLIA ciliosa*. 1 foot. A perfectly hardy species with purplish Petunia-like flowers, all summer. 10 cents, \$1.00 per dozen.

*Rumex venosus*. \* 1 foot. A superb novelty of easy culture, and neat habit. The conspicuous winged seeds are an inch or more broad, beautifully rose tinted and veined with crimson. 35 cents. Three for \$1.00.

*Rumex venosus*. \*

*SCUTELLARIA Brittoni*. \* 6 inches. A superb novelty, low tufted habit, very large deep blue flowers with white eye. Dry soil, excellent for the rockery or border. Seed 25 cents.

*SENICIO cernuum*. \* 1 foot. Panicles of nodding, yellow tassel-shaped flowers, fine for bouquets. New. Seed 10 cents.

*S. Douglasii*. \* 2 feet. Having more the appearance of a golden-flowered *Aster* than of a *Senicio*. Flowers exceedingly abundant, rays very narrow, an inch long. Blooms late, with the Hardy Asters. One of our best autumn flowers. Seed 10 cents.

*SIDALCEA candida*. \* 2 feet. Very neat Mallow with large

white flowers. Thrifty grower, wet or dry soil. 10 cents, 75 cents per dozen. Seed 5 cents.

**S. Oregana.** 3 feet. Large rose purple flowers in many long racemes, all summer. 25 cents. Seed 10 cents.

**S. spicata.** 1 foot. Dwarf, rosy flowers, all summer. Seed 10 cents.

**SALVIA.** Flowering Sage. An attractive group of easily grown plants. Seed of either of the following, 10 cents; one packet of each, three kinds, 25 cents.

**S. argentea.**  $1\frac{1}{2}$  feet. immense densely woolly white foliage and large branching panicle of white flowers.

**S. azurea grandiflora.** \*  $2\frac{1}{2}$  feet. Panicles of large deep azure-blue flowers, perfectly hardy, and very showy. Do not fail to try it. 10 cents, 75 cents per dozen.

**S. chionantha.** 1 foot. Ample foliage, numerous purple flowers.

**Smilacina amplexicaulis.** \* 2 feet. Great panicles of fine creamy-white flowers. Seed 10 cents.

**SOLIDAGO.** Golden Rod. Our collection embraces five most beautiful and distinct sorts (three typically western) of this particularly American genus. All easily grown and much satisfaction is sure to result from planting.

**S. Canadensis.** \* 6 feet. Robust, forms large clumps, broad golden panicles. 10 cents, 75 cents per dozen. Seed 5 cents.

**S. Missouriensis.** \* 2 feet. Earliest sort, blooms in July. Very showy. 10 cents, 75 cents per dozen. Seed 5 cents.

**S. rigida.** \* 3 feet. Rigid bold habit, large flower heads in large flat panicles. 10 cents, 75 cents per dozen. Seed 5 cents.

**S. RIGIDISCULA.** \* 1 foot. A very dwarf, distinct sort covering the ground with a carpet of small dark green leaves, and sending up numerous stems, each bearing a finger of golden flowers. A most superb novelty sort. 15 cents, \$1.00 per dozen. Seed 10 cents.

**S. SPECTABILIS.** (Not *speciosa*.)  $1\frac{1}{2}$  feet. Long dense racemes of rather large, highly fragrant yellow flowers; handsome narrow foliage, smooth, very handsome plant, one of the best. 15 cents, \$1.00 per dozen. Seed 10 cents.

**SPIRAEA filipendula, fl. pl.** Beautiful foliage, elegant white flowers. 15 cents.



Salvia.



Spiraea filipendula, fl. pl.

*S. lobata*. 4 feet. Giant rose-colored plumes, neat foliage. 10 cents.

*S. palmata elegans*. 3 feet. Large sprays of white flowers tinged cream, crimson anthers. 25 cents.

*Stanleya pinnata*. \* Cleome-flowered Wall Flower. 3 feet. A hardy perennial with the aspect of a *Cleome*, flowers deep golden yellow, an inch broad, in terminal spikes a foot or more in length. Foliage pale glaucous, pinnate. Belongs to *Crucifera*. Seed 10 cents.

**STATICE.** Sea Lavender.

*S. Beseriana*. 9 inches. Broad foliage, graceful sprays of rosy-purple flowers. Seed 10 cents.



*Statice latifolia*.

*S. latifolia*. 2 feet. Large plumes of small blue flowers for many weeks. 20 cents, \$1.50 per dozen. Seed 5 cents.

**THALICTRUM.** Meadow Rue. Plants of easiest culture, beautiful tri-pinnate foliage and showy flowers.

*Thalictrum Cornuti*. \* Tall Meadow Rue. 5-8 feet. Foliage as delicate in appearance as a Maiden Hair Fern, yet of firm texture and large size, exceedingly valuable, easily transplanted. 15 cents, \$1.00 per dozen. Seed 10 cents.



*T. aquilegifolium*.

*T. Fendleri*. \* Having the handsomest foliage of all. Leaflets small, lasting as well when cut as Smilax. Flowers purplish. 15 cents, \$1.00 per dozen.

*THERMOPSIS montana*. Yellow Lupine or Buffalo Pea. 1½ feet. One of the earliest yellow flowers, in long spikes, very fragrant, of easiest culture. 10 cents, 75 cents per dozen. Seed 5 cents.

*Thermopsis rhombifolia*. Buffalo Pea. 1 foot. Resembles the last, later. Seed 5 cents.

*TRADESCANTIA brevicaulis*. 6 inches. Dwarf, very large deep blue flowers, all summer. 10 cents, \$1.00 per dozen.

*T. Virginica occidentalis*. 1 foot. 15 cents, \$1.00 per dozen.

*TROXIMON cuspidatum*. 1 foot. Large ligulate yellow flowers. A very showy early plant. Seed 5 cents.

*VALERIANA Sitchensis*. \* 6 inches. Rare novelty, earliest spring flower, white, very fragrant, blooms several times during the season. 30 cents, \$3.00 per dozen.

*VIOLA Canadensis*. \* 1 foot. Large white flowers. 10 cts., \$1.00 per dozen.

*V. canina sylvestris*. \* 4 inches. Blue. 10 cents.

*V. Nuttallii*. \* 6 inches. Large yellow flowers. 15 cents, \$1.00 per dozen. Seed 5 cents.

*Yucca angustifolia*. (See under Hardy Cacti.)

## HARDY SHRUBS.

### Colorado Sorts marked (\*)

*Alnus incanus virescens*. \* A large shrub suited for the border of a brook or pond, but will grow in dry soil. 10 to 12 inches. 15 cents, \$1.00 per dozen. Seed 5 cents.

*Amelanchier alnifolia*. \* Upland June Berry. A dwarf, ornamental flowering shrub, with showy edible fruit. Flowers greatly resembling *Clematis paniculata*, and very fragrant. Thrives even in very dry soil. Collected. 1 foot. 75 cents per dozen. Seed 5 cents.

*Amorpha fragnans*. Fine European sort. 1½ feet. 30 cents, four for \$1.00.

*Amorpha fruticosa*. \* False Indigo. Brown-purple flowers, handsome foliage. Seed 5 cents. 25 cents per ounce.

*Amorpha nana*. (*microphylla*.) Lead plant. 1 foot. An excellent dwarf shrub with beautiful foliage and numerous clustered spikes of red-garnet fragrant flowers. A thoroughly good novelty. Seed 5 cents. 60 cents per ounce.

*Ampelopsis vitaceae*. \* A trailing shrub, fine for rocks, banks etc. Sunshine or shade, will grow in very dry exposed situations. 20 cents, \$1.50 per dozen. Seed 5 cents. 40 cents per ounce.

*Arctostaphylos Uva-ursa*. \* Kinakinick. One of the most beautiful of trailing evergreen shrubs. Will grow in dry exposed places. The foliage is perfectly evergreen; the flowers are very beautiful, Heath-like, deep rose, followed by the scarlet berries about the size and color of Holly berries. We have fine transplanted stock which is sure to grow. 15 cents. \$1.25 per dozen.

*Berberis repens*. \* Oregon Grape. A low shrub, nearly evergreen, large clusters of golden flowers, followed by the conspicuous purple fruit which has a grape-like "bloom." The leaves are about the same size and resemble those of the Holly. The plant is exceedingly hardy, will thrive in any soil, sun or dense shade. It is eminently suited for covering areas in almost any situation, and does not exceed one foot in height. 10 cents. 75



cents per dozen. \$3.50 per hundred. Ask for prices on large lots.

*Cercarpus parvifolius*. \* Mountain Mahogany. A nearly evergreen Rosaceous shrub of peculiar and attractive habit of growth. Flowers white, early, followed by the long plumose achenes, which are three to five inches long, strangely curled and twisted, arranged above and on each side of the slender branches, so that at a little distance they have an appearance suggestive of Ostrich plumes. Easily transplanted and thrives anywhere. Strong bushy stock. 12-18 inches. 15 cents, \$1.25 per dozen. 18 inches to 3 feet. 25 cents, \$2.00 per dozen. Seed 10 cents.

*Jamesia Americana*. \* Handsome new white flowering shrub, related to *Philadelphus*. Seed 15 cents.

*Ribes cereum*. Fuchsia-flowered Currant. Fine, neat habit, flowers rose and white, early, fruit large, red, ornamental. 25 cents. Seed 5 cents. 30 cents per ounce.

*Rosa Arkansana*. \* Arkansas or Prairie Rose. This is the true dwarf sort, growing 6 to 12 inches tall and often blooming when 5 inches tall. The flowers are large, bright rose or sometimes variegated with white, three to ten in a cluster. Fruit large bright red, very showy. A fine plant for banks and exposed places. 15 cents, \$1.00 per dozen. Seed 10 cents.

*Rosa Fendleri*. \* Winter Berry Rose. 4 feet. This is the best shrub we have seen for ornamental winter fruit display. The berries are very abundant, bright coral red, ripen in early autumn and remain on the branches all winter and often until the new growth begins in spring. The foliage is small and deeply serrate, and the large single flowers are very attractive. 15 cents, \$1.00 per dozen. Seed 10 cents.

*Rubus deliciosus*. \* Flowering Thimble Berry. 5 feet. Few shrubs can compete with this in beauty either of flower or foliage. The growth is perennial and of compact twiggy habit. The foliage abundant, beautifully lobed and crenate, so that while the leaves are large, the effect is bold without appearing coarse. During the long blooming season the foliage is almost smothered in clouds of snow white flowers as large as single roses. The canes are very much hardier than any other *Rubus* either wild or cultivated of our acquaintance, growing fully exposed at 8,000 feet altitude in Colorado. Extra choice transplanted stock, 15 cents, \$1.00 per dozen. Collected, \$3.00 per hundred. Seed 10 cents. \$1.50 per ounce.

*Rubus Nutkanus*. \* Salmon Berry. Immense broad foliage, large white flowers, and edible fruit. Seed 10 cents.

*Sambucus racemosus*. \* We have saved seed from a plant having extra large trusses of fruit of a most exquisite glowing scarlet; the plant also was of vigorous habit and of perfect form. It is the best we have seen among many thousands of specimens. We offer the seed at 15 cents. 10 packets for \$1.00.

---

## HARDY COLORADO BULBS.

---

No garden should be without a collection of hardy bulbs. They may be planted in little clumps among other plants or space may be given entirely to them. The *Calochortus* may be planted among tulips, or other early bulbs, and thus fill the bed with bloom a second time. As most bulbs begin root-growth in autumn it is unwise to move them in the spring and we request especial attention to the following

**IMPORTANT INSTRUCTIONS** for ordering. Send your order for bulbs *now*, and on a separate sheet of paper. We collect but few bulbs except on previous orders, so we may be

obliged to decline late orders. We will collect the bulbs as they ripen and forward them at the proper time. It is better to enclose money with orders under \$5.00, but for large orders you may give your order now and we will notify you when it is ready for shipment.

**CALOCHORTUS GUNNISONI.** \* Mariposa Lily. Our cover illustration will make a description almost unnecessary. We consider this by far the hardiest and best of the Mariposa Lilies. The flowers are two or three inches broad, white, tinged at base with purplish green, each petal with a large yellowish green blotch inside, the whole flower often suffused with lilac. Plant one to two feet tall; blooms in July. Should be planted in large quantities as their graceful habit makes them excellent for cutting. Three for 10 cents, 35 cents per dozen, \$2.50 per hundred post paid in the United States. We export thousands annually, and will gladly quote prices on any quantity.

**CLAYTONIA chamissoi.** \* Spring Beauty. A new, distinct sort with fleshy, opposite leaves and numerous axillary white flowers. Tubers three for 10 cents, 30 cents per dozen, \$2.00 per hundred post paid.

**C. lanceolata.** \* Very early, flowers white, veined with red. Two for 15 cents, 50 cents per dozen post paid.

**DODECATHEON pauciflorum.** \* Cupid's Dart. A most exquisite plant; narrow, smooth foliage, often suffused with rose. Flowers in umbels on slender scapes, identical in shape with *Cyclamen* but smaller; delicate rose-crimson to pale rose. Little pip-like roots, (may be sent in spring if desired), three for 10 cents, 30 cents per dozen, \$2.00 per hundred post paid.

**ERYTHRONIUM Americanum.** Spotted foliage, large yellow flowers. Three for 10 cents, 25 cents per dozen.

**E. grandiflorum.** \* Grand, pale yellow flowers. Magnificent sort. Two for 15 cents, 50 cents per dozen, \$3.50 per hundred post paid.

**LEUCOCRINUM MONTANUM.** \* Sand Lily. A very neat little plant, narrow foliage, rather large, crystal white, very fragrant flowers, produced in constant succession for several weeks. Growing only a few inches tall they are especially suited for edgings of beds, walks etc. Early spring. Single plants, 3 for 10 cents, 30 cents per dozen, \$2.00 per hundred. Clumps 15 cents, \$1.00 per dozen.

**ZYDAGENUS elegans.** \* 2 feet. Plant very smooth, panicles of small, lily-like flowers, good for cutting, 10 cents, \$1.00 per dozen post paid.

**Z. Nuttallii.** \* 1 foot. Spikes of rather large creamy white flowers, resembling Hyacinth. Early, 10 cents, 75 cents per dozen post paid.

## ORNAMENTAL GRASSES.

**CAREX CRUS-CORVI.** Raven's-foot Sedge. 2 feet. A smooth very showy plant, suitable for wet places but will grow equally well in any garden soil. Fruiting heads very conspicuous. Seed 10 cents.

**C. platyphylla.** 6 inches. Handsome, broad foliage, evergreen. 15 cents, 2 for 25 cents.

**CYPERUS strigosus.** Hardy Umbrella Plant. 1 foot. A very desirable plant and entirely hardy. Fruiting clusters beautifully tinged with bronze. Grows in any soil. Seed 10 cents.

**PHLEUM alpinum.** \* Alpine Timothy. A native grass with dense, oval spikes, usually tinged with purple. Seed 10 cents.

## ALPINES.

A valuable class of plants requiring special treatment. They mostly require a soil rich in humus, good drainage and partial shade. Some protection should be given in winter as they are naturally well protected by snow in their native habitat.

**CALANDRINIA pygmaea** \* and **Nevadensis**. \* Two similar species, the first with red and the other with white flowers. Very pretty. Both kinds in mixture, seed 25 cents.

**LLOYDIA serotina**. \* A miniature lily resembling *Calochortus*, flowers white. Seed 15 cents.

**MIMULUS luteus**. \* Monkey flower. Beautiful, large yellow flowers, smooth plant, blooms all summer. Does well with greenhouse culture; moist soil. Seed 10 cents.

**PHACELIA glandulosa**. \* 1 foot. Handsome dissected foliage, large terminal clusters of brilliant purple flowers. Seed 10c.

**POLEMONIUM CONFERTUM**. \* 6 inches. One of the most beautiful of perennial plants. Handsome foliage. Very large rich azure blue flowers in dense clusters. Probably the best species. Seed 25 cents, five packets \$1.00.

**P. CONFERTUM MELLITUM**. \* 10 inches. Larger than the type and inflorescence more open; flowers pure white or cream color, musk scented. Very desirable. Seed 15 cents, 8 packets \$1.00.

**P. humile**. \* Very pretty sort; blue flowers, fern-like foliage. Seed 10 cents.

**POLYGONUM Bistorta**. \* Broad foliage, tall, slender stems bearing large heads of white or rose-tinted flowers. Seed 10 cents

**PRIMULA angustifolia**. \* An elegant sort, deep rose purple flowers; smooth foliage, new. Seed 25 cents.

**P. PARRYI**. \* 1 foot. Larger than the last, luxuriant grower, handsome foliage, large umbels of crimson flowers an inch broad with large greenish-yellow eye. Grows along alpine brooks and should have semi-aquatic treatment. We can supply fine dormant roots, in autumn only, at \$2.50 per dozen. Seed 25 cents,  $\frac{1}{8}$  oz. \$1.00.

**SAXIFRAGA bronchialis**. \* Moss-like foliage, sprays of purple spotted, white flowers. Seed 25 cents.

**S. nivalis**. \* Evergreen rosettes, scapes bearing numerous white flowers. Ten cents, 75 cents per dozen. Seed 10 cents.

**S. punctata**. \* Beautiful orbicular dentate foliage, white flowers. Seed 15 cents.

**SILENE acaulis**. \* Tufts of moss-like foliage, covered with star-shaped rose or white flowers. Seed 15 cents.

**SUPERIOR PLATINO PHOTOGRAPHS**, 4x5 size, on heavy card mounts, including Colorado scenery, Tree and Forest views, and a choice collection of Colorado Wild Flowers, of which our cover illustration is a specimen. Our photographs are characteristic and our specialty is of course botanical and kindred subjects. We offer the above, *our own selection* in any subject desired at 20 cents each, six for \$1.00, \$2.00 per dozen, \$15.00 per hundred. Money back if you want it.

**HERBARIUM SPECIMENS**. A collection of six rare Colorado Ferns, named but unmounted, 50 cents, post paid.

A collection of ten plants from lofty Colorado mountain peaks, very interesting, named but unmounted; \$1.00, post paid; 25 kinds, \$2.25.



